

## SECRET

Approved For Release 2001/07/30 : CIA-RDP78B04747A000500010052-6

997515

DATE  
7 January 1965

## R &amp; D CATALOG FORM

1. PROJECT TITLE/CODE NAME 3X - 12X Enlarger Modification		2. SHORT PROJECT DESCRIPTION Modification of certain electrical and mechanical components	
3. CONTRACTOR NAME [REDACTED]		4. LOCATION OF CONTRACTOR [REDACTED] 25X1A	
5. CLASS OF CONTRACTOR Manufacturer		6. TYPE OF CONTRACT Fixed Price	
7. FUNDS FY 19 65 \$ [REDACTED]		8. REQUISITION NO. 5500-8548-65	
FY 19 \$ [REDACTED]		10. EFFECTIVE CONTRACT DATE (Begin - end) 18 Sept 1964 - 15 Jan. 1965	
FY 19 \$ [REDACTED]		11. SECURITY CLASS. A. A. - Unclass. T. - Unclass. W. - Unclass.	
12. RESPONSIBLE DIRECTORATE/OFFICE/PROJECT OFFICER TELEPHONE EXTENSION 25X1A DDI/NPIC/P&DS/ [REDACTED] /3308			
13. REQUIREMENT/AUTHORITY During a conference between P&DS/NPIC and PSD/NPIC representatives a requirement for the modification of the 3X - 12X enlarger was established.			
14. TYPE OF WORK TO BE DONE Engineering development			
15. CATEGORIES OF EFFORT MAJOR CATEGORY Other			
SUB-CATEGORIES			
16. END ITEM OR SERVICES FROM THIS CONTRACT/IMPROVEMENT OVER CURRENT SYSTEM, EQUIPMENT, ETC. These modifications will facilitate placement of the film, viewing of the projected image, the positive use of all controls and the cleaning of lens elements by the operator.			
17. SUPPORTING OR RELATED CONTRACTS (Agency & Other)/COORDINATION This enlarger will fulfill a PSD/NPIC operational requirement. Other agencies have not indicated an interest in this enlarger. Declass Review by NIMA / DoD 25X1A			
18. DESCRIPTION OF INTELLIGENCE REQUIREMENT AND DETAILED TECHNICAL DESCRIPTION OF PROJECT (Continue on additional page if required) Initially, the 3X - 12X Enlarger was purchased to provide an on-axis enlargement of photographic negatives within the 3X - 12X range. The [REDACTED] Enlarger is not an on-axis enlarger while the [REDACTED] 10X-20X-40X Enlarger does not cover the range of the [REDACTED] instrument. Although development of a concept for a new enlarger is now being carried out, it was concluded that modification of the existing enlarger would extend its operational usefulness until the other equipment is developed. Requirements covering the extent of the mechanical and electrical/electronic			
19. APPROVED BY AND DATE OFFICE DEPUTY DIRECTOR DDCI			

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R & D CATALOG FORM (Continued)

18. modifications are as follows:

- a. Redesign the film transport mechanism.
- b. Redesign glass supports for access during cleaning.
- c. Provide a condensor and 45° mirror sliding support.
- d. Provide hinged outrigger supports and locks for the film spools.
- e. Add a simple footage counter for determining X and Y frame positions.
- f. Provide a rotating filter holder under the lens.
- g. Increase the capacity of electrical/electronic components.
- h. Install <sup>three</sup> powerful film drive motors.
- i. Repaint easel surface a flat white with blue,limiting tick-marks for paper and film registration.
- j. Install a more powerful vacuum pump to improve vacuum hold-down.